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1636  
**PATENT**  
Attorney Docket No.: 600-1-087 CIP2I

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jeffrey Friedman, et al )  
Serial No.: 08/485,943 )  
Filed: June 7, 1995 )  
For: MODULATORS OF BODY )  
WEIGHT, CORRESPONDING )  
NUCLEIC ACIDS PROTEINS )  
AND DIAGNOSTIC AND )  
THERAPEUTIC USES THEREOF )

*H. J. O.*  
**RECEIVED**

*13-03-98*  
**MAR - 5 1998**

**MATRIX CUSTOMER  
SERVICE CENTER**

Group Art Unit: 1805

Examiner: J. Railey

**INFORMATION DISCLOSURE STATEMENT**  
**WITH FORM PTO-1449**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with 37 C.F.R. §1.97 and the continuing duty of disclosure under 37 C.F.R. §1.56, the applicants call to the attention of the examiner the enclosed documents, listed on the attached Form PTO-1449, which may be considered material to the examination of the above-identified patent application.

As a courtesy to the examiner and for ease of review, the applicants believe that the documents listed on the accompanying Form PTO-1449 may be organized as set forth below (each listing includes: Form PTO-1449 document number, title, inventor(s), patent number and/or application number, filing date, publication date, and, where applicable, priority dates). As a further courtesy to the examiner, the applicants have included, as  
03/03/1998 BTHOMAS 00000098 08485943  
01 FC:126 Appendix A, a copy of the front page of each patent or patent application listed in the IDS and PTO Form-1449.

Pursuant to 37 C.F.R. §1.98(d), copies of the documents are not included herewith since they have been provided in USSN 08/292,345, filed August 17, 1994, and USSN 08/347,563, filed November 30, 1994, which are relied upon under 35 U.S.C. 120 for an earlier filing date in the instant application.

## I. PEPTIDES

### A. Full or Truncated

#### Documents:

A1 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,521,283  
U.S. Appl. No.: 381,666  
Filed: January 31, 1995

A2 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,525,705  
U.S. Appl. No.: 381,370  
Filed: January 31, 1995

A3 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,532,336  
U.S. Appl. No.: 381,034  
Filed: January 31, 1995

A4 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,552,522  
U.S. Appl. No.: 381, 040  
Filed: January 31, 1995

A9 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,563,243  
U.S. Appl. No.: 381,037  
Filed: January 31, 1995

A10 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,563,244  
U.S. Appl. No.: 381,050  
Filed: January 31, 1995

A11 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,563,245  
U.S. Appl. No.: 381,163  
Filed: January 31, 1995

A12 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,567,678  
U.S. Appl. No.: 381,041  
Filed: January 31, 1995

A13 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,567,803  
U.S. Appl. No.: 383,649  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,047)

A14 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,569,743  
U.S. Appl. No.: 381,054  
Filed: January 31, 1995

A15 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,569,744  
U.S. Appl. No.: 383,632  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,247)

A16 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,574,133  
U.S. Appl. No.: 381,049  
Filed: January 31, 1995

A17 Title: "Anti-Obesity Proteins"  
Inventors: DiMarchi *et al.*  
U.S. Patent No.: 5,580,954  
U.S. Appl. No.: 381,057  
Filed: January 31, 1995

A19 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,594,104  
U.S. Appl. No.: 384,492  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,266)

A20 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,605,886  
U.S. Appl. No.: 442,916  
Filed: May 17, 1995  
Priority Data: February 6, 1995 (U.S. Appl. No. 383,648)  
January 31, 1995 (U.S. Appl. No. 381,265)

A23 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,691,309  
U.S. Appl. No.: 383,650  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,451)

B1 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: 96300612.7  
Filed: January 29, 1996  
Publication No.: EP 0 725 078 A1  
Publication Date: August 7, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,048)  
February 6, 1995 (U.S. Appl. No. 383,638)

B2 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: 96300613.5  
Filed: January 29, 1996  
Publication No.: EP 0 725 079 A1  
Publication Date: August 7, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,048)  
February 6, 1995 (U.S. Appl. No. 383,638)  
June 22, 1995 (U.S. Appl. No. 60/000,450)  
August 11, 1995 (U.S. Appl. No. 60/002,161)

B3 Title: "Rat Obese Gene, Its Gene Product and Its Production"  
Inventors: Nakao *et al.*  
Appl. No.: 96105353.5  
Filed: April 3, 1996  
Publication No.: EP 0 736 599 A2  
Publication Date: October 9, 1996  
Priority Data: April 3, 1995 (JP Appl. No. 77966/95)

B5 Title: "Obesity Gene Product"  
Inventors: Hsiung *et al.*  
Appl. No.: 96303478.0  
Filed: May 16, 1996  
Publication No.: EP 0 743 321 A2  
Publication Date: November 20, 1996  
Priority Data: May 19, 1995 (US Appl. No. 445,305)

B6 Title: "Rhesus OB Protein and DNA"  
Inventors: Basinski *et al.*  
Appl. No.: 96303601.7  
Filed: May 21, 1996  
Publication No.: EP 0 744 408 A2  
Publication Date: November 27, 1996  
Priority Data: May 26, 1995 (U.S. Appl. No. 452,228)  
May 26, 1995 (U.S. Appl. No. 451,335)

B15 Title: "Rat Obese Gene, Product and Method of Producing Thereof"  
Inventors: Fujisawa *et al.*  
Appl. No.: 96JP-0079916  
Filed: April 2, 1996  
Publication No.: JP 8-333394  
Publication Date: December 17, 1996  
Priority Data: April 3, 1995 (JP Appl. No. 95JP-0077966)

B20 Title: "Anti-Obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/00947  
Filed: January 29, 1996  
Publication No.: WO 96/23514  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,247)  
January 31, 1995 (U.S. Appl. No. 08/381,451)  
January 31, 1995 (U.S. Appl. No. 08/381,266)  
January 31, 1995 (U.S. Appl. No. 08/381,370)  
January 31, 1995 (U.S. Appl. No. 08/381,047)  
January 31, 1995 (U.S. Appl. No. 08/381,041)  
January 31, 1995 (U.S. Appl. No. 08/381,057)  
January 31, 1995 (U.S. Appl. No. 08/381,050)  
January 31, 1995 (U.S. Appl. No. 08/381,034)  
January 31, 1995 (U.S. Appl. No. 08/381,040)  
January 31, 1995 (U.S. Appl. No. 08/381,163)  
January 31, 1995 (U.S. Appl. No. 08/381,054)

January 31, 1995 (U.S. Appl. No. 08/381,666)  
January 31, 1995 (U.S. Appl. No. 08/381,049)  
January 31, 1995 (U.S. Appl. No. 08/381,037)  
February 6, 1995 (U.S. Appl. No. 08/383,632)  
February 6, 1995 (U.S. Appl. No. 08/384,492)  
February 6, 1995 (U.S. Appl. No. 08/383,649)  
February 6, 1995 (U.S. Appl. No. 08/383,650)

B21 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/00948  
Filed: January 29, 1996  
Publication No.: WO 96/23515  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,048)  
February 6, 1995 (U.S. Appl. No. 08/383,638)

B22 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/00950  
Filed: January 29, 1996  
Publication No.: WO 96/23516  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,265)  
February 6, 1995 (U.S. Appl. No. 08/383,648)  
May 17, 1995 (U.S. Appl. No. 08/442,916)

B23 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/00952  
Filed: January 29, 1996  
Publication No.: WO 96/23517  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,048)  
February 6, 1995 (U.S. Appl. No. 08/383,638)  
June 22, 1995 (U.S. Appl. No. 60/000,450)  
August 11, 1995 (U.S. Appl. No. 60/002,161)

B33 Title: "Biologically Active Peptide Fragments of OB Protein"  
Inventors: Smith *et al.*  
Appl. No.: PCT/GB96/01094  
Filed: May 7, 1996  
Publication No.: WO 96/34885  
Publication Date: November 7, 1996  
Priority Data: May 5, 1995 (GB Appl. No. 9509164.1)

B36 Title: "Obesity Gene Product"  
Inventors: Hsiung *et al.*  
Appl. No.: PCT/US96/07045  
Filed: May 16, 1996  
Publication No.: WO 96/36644  
Publication Date: November 21, 1996  
Priority Data: May 19, 1995 (U.S. Appl. No. 08/445,305)

B37 Title: "Rhesus OB Protein and DNA"  
Inventors: Basinski *et al.*  
Appl. No. PCT/US96/07329  
Filed: May 21, 1996  
Publication No.: WO 96/37517  
Publication Date: November 28, 1996  
Priority Data: May 26, 1995 (U.S. Appl. No. 08/451,335)  
May 26, 1995 (U.S. Appl. No. 08/452,228)

B47 Title: "Polypeptide Fragments Derived From The Obese Gene Product"  
Inventors: Mapelli *et al.*  
Appl. No.: PCT/US96/17365  
Filed: October 28, 1996  
Publication No.: WO 97/16550  
Publication Date: May 9, 1997  
Priority Data: Nov. 2, 1995 (U.S. Appl. No. 60/007,789)

B51 Title: "Mutational Variants Of Mammalian Ob Gene Proteins"  
Inventors: Altmann *et al.*  
Appl. No.: PCT/US96/18561  
Filed: December 3, 1996  
Publication No.: WO 97/20933  
Publication Date: June 12, 1997  
Priority Data: Dec. 6, 1995 (U.S. Appl. No. 08/568,077)

B68 Title: "Fragments of Leptin (OB Protein)"  
Inventors: Al-Barazanji *et al.*  
Appl. No.: PCT/EP97/02968  
Filed: June 4, 1997  
Publication No.: WO 97/46585  
Publication Date: December 11, 1997  
Priority Data: June 6, 1996 (G.B. Appl. No. 9611775.9)  
Sept. 5, 1996 (G.B. Appl. No. 9618540.0)  
Feb. 20, 1997 (G.B. Appl. No. 9703493.8)

B76 Title: "Canine OB Protein Compositions And Methods"  
Inventor: Hernday, N.  
Appl. No.: PCT/US97/03209  
Filed: February 28, 1997  
Publication No.: WO 97/32022  
Publication Date: September 4, 1997  
Priority Data: March 1, 1996 (U.S. Appl. No. 08/609,408)

*B. Thioether Bond*

Documents:

A18 Title: "Anti-obesity Proteins"  
Inventors: Becker *et al.*  
U.S. Patent No.: 5,594,101  
U.S. Appl. No.: 398,021  
Filed: March 3, 1995

B29 Title: "Anti-obesity Proteins"  
Inventors: Becker *et al.*  
Appl. No.: PCT/US96/02932  
Filed: March 1, 1996  
Publication No.: WO 96/27385  
Publication Date: September 12, 1996  
Priority Data: March 3, 1995 (U.S. Appl. No. 08/398,021)

B41 Title: "Obesity Protein Intermediates and Their Preparation and Use"  
Inventors: Hale *et al.*  
Appl. No.: PCT/US96/10613  
Filed: June 20, 1996  
Publication No.: WO 97/00886  
Publication Date: January 9, 1997  
Priority Data: June 22, 1995 (U.S. Appl. No. 60/000,451)

*C. Cross-Linked*  
Documents:

A5 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,552,523  
U.S. Appl. No.: 384,183  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,458)

A6 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,552,524  
U.S. Appl. No.: 384,292  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,661)

A7 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,554,727  
U.S. Appl. No.: 383,631  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,033)

A8 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
U.S. Patent No.: 5,559,208  
U.S. Appl. No.: 383,639  
Filed: February 6, 1995  
Priority Data: January 31, 1995 (U.S. Appl. No. 381,031)

B19 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/00946  
Filed: January 29, 1996  
Publication No.: WO 96/23513  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,661)  
February 6, 1995 (U.S. Appl. No. 08/384,292)

B24 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/01345  
Filed: January 29, 1996  
Publication No.: WO 96/23518  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,031)  
February 6, 1995 (U.S. Appl. No. 08/383,639)

B25 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/01412  
Filed: January 29, 1996  
Publication No.: WO 96/23519  
Publication Date: August 8, 1996  
Priority Data: Jan. 31, 1995 (U.S. Appl. No. 08/381,458)  
Feb. 6, 1995 (U.S. Appl. No. 08/384,183)

B26 Title: "Anti-obesity Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/01415  
Filed: January 29, 1996  
Publication No.: WO 96/23520  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,033)  
February 6, 1995 (U.S. Appl. No. 08/383,631)

*D. Other Modifications*

Documents:

B4 Title: "Recombinant Obese (Ob) Proteins"  
Inventors: Campfield *et al.*  
Appl. No.: 96106408.6  
Filed: April 24, 1996  
Publication No.: EP 0 741 187 A2  
Publication Date: November 6, 1996  
Priority Data: May 5, 1995 (U.S. Appl. No. 435,777)  
June 7, 1995 (U.S. Appl. No. 484,629)

B16 Title: "Recombinant Obese (OB) Protein"  
Inventors: Campfield *et al.*  
Appl. No.: 96JP-0112739  
Filed: May 7, 1996  
Publication No.: JP 9-3098  
Publication Date: January 7, 1997  
Priority Data: June 7, 1995 (Appl. No. 95US-0484629)  
May 5, 1995 (Appl. No. 95US-0435777)

B18 Title: "Appetite Suppression Factor and Related Methods"  
Inventor: Weigle *et al.*  
Appl No.: PCT/US96/01471  
Filed: January 22, 1996  
Publication No.: WO 96/22308  
Publication Date: July 25, 1996  
Priority Data: January 20, 1995 (U.S. Appl. No. 08/377,068)  
April 10, 1995 (U.S. App. No. 08/419,214)  
June 7, 1995 (U.S. Appl. No. 08/486,459)  
June 7, 1995 (U.S. Appl. No. 08/487,111)  
June 7, 1995 (U.S. Appl. No. 08/486,450)  
October 4, 1995 (U.S. Appl. No. 08/540,242)

B40 Title: "Chimeric Leptin Fused to Immunoglobulin Domain and Use"  
Inventors: Browne *et al.*  
Appl No.: PCT/GB96/01388  
Filed: June 11, 1996  
Publication No.: WO 97/00319  
Publication Date: January 3, 1997  
Priority Data: June 13, 1995 (GB Appl. No. 9511935.0)

B52 Title: "Ob Protein Derivatives Having Prolonged Half-Life"  
Inventors: De Sauvage *et al.*  
Appl. No.: PCT/US96/20718  
Filed: December 19, 1996  
Publication No.: WO 97/24440  
Publication Date: July 10, 1997  
Priority date: Dec. 27, 1995 (U.S. Appl. No. 08/579,494)  
June 20, 1996 (U.S. Appl. No. 08/667,184)

B69 Title: "Ob Protein Binding Protein"  
Inventor: Becker, G.W.  
Appl. No.: PCT/US97/09891  
Filed: June 6, 1997  
Publication No.: WO 97/46587  
Publication Date: December 11, 1997  
Priority Data: June 7, 1996 (U.S. Appl. No. 60/019,284)

B77 Title: "Fibulin Pharmaceutical Compositions And Related Methods"  
Inventor: Bennett, L.G.  
Appl. No.: PCT/US97/06280  
Filed: April 3, 1997  
Publication No.: WO 97/38014  
Publication Date: October 16, 1997  
Priority Data: April 4, 1996 (U.S. Appl. No. 08/627,636)

## II. METHODS FOR THE PREPARATION OF ANTI-OBESITY PROTEINS

Documents:

A21 Title: "Process For Preparing Anti-Obesity Protein"  
Inventor: Mackellar, W.C.  
U.S. Patent No.: 5,614,379  
U.S. Appl. No.: 429,362  
Filed: April 26, 1995

B7 Title: "Process For Preparing Anti-Obesity Protein"  
Inventor: Mackellar, W.C.  
Appl. No.: 96302805.5  
Filed: April 22, 1996  
Publication No.: EP 0 745 610 A2  
Publication Date: December 4, 1996  
Priority Data: April 26, 1995 (U.S. Appl. No. 429,362)

B31 Title: "Anti-Obesity Agents"  
Inventors: Beeley *et al.*  
Appl. No.: PCT/US96/04909  
Filed: April 5, 1996  
Publication No.: WO 96/31526  
Publication Date: October 10, 1996  
Priority Data: April 6, 1995 (U.S. Appl. No. 08/419,598)

B32 Title: "Process For Preparing Anti-Obesity Protein"  
Inventor: Mackellar, W.C.  
Appl. No.: PCT/US96/05703  
Filed: April 24, 1996  
Publication No.: WO 96/34111  
Publication Date: October 31, 1996  
Priority Data: April 26, 1995 (U.S. Appl. No. 08/429,362)

### III. OB GENE PRODUCT ANTIBODIES

Documents:

B27 Title: "OB Gene Product Antibodies"  
Inventors: Heath *et al.*  
Appl. No.: PCT/US96/00957  
Filed: January 29, 1996  
Publication No.: WO 96/23815  
Publication Date: August 8, 1996  
Priority Data: January 31, 1995 (U.S. Appl. No. 08/381,264)

### IV. OB DNA-RELATED

#### A. DNA

Documents:

B9 Title: "DNA Encoding Primate Leptins as Medicinal Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: 96306721.0  
Filed: September 16, 1996  
Publication No.: EP 0 764 722 A2  
Publication Date: March 26, 1997  
Priority Data: September 19, 1995 (U.S. Appl. No. 3,935)  
September 19, 1995 (U.S. Appl. No. 3,936)

B28 Title: "Human Obesity Gene"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/01411  
Filed: January 29, 1996  
Publication No.: WO 96/24670  
Publication Date: August 15, 1996  
Priority Data: Feb. 6, 1995 (U.S. Appl. No. 08/384,493)  
May 26, 1995 (U.S. Appl. No. 08/451,250)

B34 Title: "Nucleic Acids For Treating Obesity"  
Inventors: Giese *et al.*  
Appl. No.: PCT/US96/06609  
Filed: May 8, 1996  
Publication No. WO 96/35787  
Publication Date: November 14, 1996  
Priority Data: May 8, 1995 (U.S. Appl. No. 08/437,834)

B39 Title: "Method For The Detection Of Compounds That Modulate The Effects Of The Obese Protein"  
Inventors: Beeley *et al.*  
Appl. No.: PCT/EP96/02291  
Filed: May 28, 1996  
Publication No.: WO 96/38586  
Publication Date: December 5, 1996  
Priority Data: May 30, 1995 (G.B. Appl. No. 9510857.7)  
June 8, 1995 (G.B. Appl. No. 9511602.6)

B43 Title: "DNA Encoding Medicinal Proteins"  
Inventors: Basinski *et al.*  
Appl. No.: PCT/US96/14810  
Filed: September 16, 1996  
Publication No.: WO 97/11192  
Publication Date: March 27, 1997  
Priority Data: Sept. 19, 1995 (U.S. Appl. No. 60/003,935)  
Sept. 19, 1995 (U.S. Appl. No. 60/003,936)

*B. Gene Regulation*

Documents:

A24 Title: "Transcriptional Promoter Of The Murine Obesity Gene"  
Inventors: de la Brousse *et al.*  
U.S. Patent No.: 5,698,389  
Appl. No.: 558,545  
Filed: November 16, 1995

B30 Title: "Modulators Of OB Gene And Screening Methods Therefor"  
Inventors: Briggs *et al.*  
Appl. No.: PCT/US96/03808  
Filed: March 19, 1996  
Publication No.: WO 96/29405  
Publication Date: September 26, 1996  
Priority Data: March 20, 1995 (U.S. Appl. No. 08/408,584)  
April 5, 1995 (U.S. Appl. No. 08/418,096)  
August 2, 1995 (U.S. Appl. No. 08/510,584)  
October 30, 1995 (U.S. Appl. No. 08/558,588)  
Nov. 21, 1995 (U.S. Appl. No. 60/007,390)  
Nov. 30, 1995 (U.S. Appl. No. 60/007,721)  
Dec. 14, 1995 (U.S. Appl. No. 60/008,601)

B49 Title: "The Transcriptional Promoter Of The Obesity Gene"  
Inventors: de la Brousse *et al.*  
Appl. No.: PCT/US96/18474  
Filed: November 18, 1996  
Publication No.: WO 97/18228  
Publication Date: May 22, 1997  
Priority date: Nov. 16, 1995 (U.S. Appl. No. 08/558,545)

## V. METHODS/MEDICAL DIAGNOSIS OR TREATMENT

### A. *Methods for Treatment of Obesity* Documents:

B17 Title: "Compositions And Methods For The Treatment Of Body Weight Disorders, Including Obesity"  
Inventor: Tartaglia, L.  
Appl. No.: PCT/US95/10918  
Filed: August 23, 1995  
Publication No.: WO 96/05861  
Publication Date: February 29, 1996  
Priority Data: August 23, 1994 (U.S. Appl. No. 294,522)  
June 6, 1995 (U.S. Appl. No. 470,868)

B48 Title: "Inhibition Of Fatty Acid Synthase As A Means To Reduce Adipocyte Mass"  
Inventors: Kuhajda *et al.*  
Appl. No.: PCT/US96/17678  
Filed: November 15, 1996  
Publication No.: WO 97/18806  
Publication Date: May 29, 1997  
Priority Data: Nov. 17, 1995 (U.S. Appl. No. 60/006,940)

B 71 Title: "OB Protein Compositions and Method"  
Inventors: Pelleymounter *et al.*  
Appl. No.: PCT/US96/08225  
Filed: May 30, 1996  
Publication No.: WO 96/40912  
Publication Date: December 19, 1996  
Priority Data: June 7, 1995 (U.S. Appl. No. 08/474.833)

B72 Title: "Methods of Reducing Or Maintaining Reduced Levels of Blood Lipids Using OB Protein Compositions"  
Inventors: Pelleymounter *et al.*  
Appl. No.: PCT/US96/12674  
Filed: August 2, 1996  
Publication No.: WO 97/06816  
Publication Date: February 27, 1997  
Priority Data: August 17, 1995 (U.S. Appl. No. 08/516,263)

*B. Methods for Treatment of Diabetes*

Documents:

B42 Title: "Methods For Treating Diabetes"  
Inventor: Stephens, T. W.  
Appl. No.: PCT/US96/10983  
Filed: June 26, 1996  
Publication No.: WO 97/02004  
Publication Date: January 23, 1997  
Priority Data: June 30, 1995 (U.S. Appl. No. 60/000,718)

*C. Methods for Treatment/Combination Therapy*

Documents:

B8 Title: "Methods Of Treating Neuropeptide Y-Associated Conditions"  
Inventors: Bue-Valleskey *et al.*  
Appl. No.: 96304723.8  
Filed: June 26, 1996  
Publication No.: EP 0 759 441 A2  
Publication Date: February 26, 1997  
Priority Data:  
June 30, 1995 (U.S. Appl. No. 740)  
October 27, 1995 (U.S. Appl. No. 5910)  
June 30, 1995 (U.S. Appl. No. 752)  
October 27, 1995 (U.S. Appl. No. 5911)

B35 Title: "Susceptibility Gene For Obesity And Type II Diabetes Mellitus"  
Inventors: Shuldiner *et al.*  
Appl. No.: PCT/US96/07218  
Filed: May 17, 1996  
Publication No.: WO 96/36641  
Publication Date: November 21, 1996  
Priority Data: May 19, 1995 (U.S. Appl. No. 08/446,530)

B44 Title: "Liposome Formulations Of 5 $\beta$  Steroids"  
Inventors: Rubinfeld *et al.*  
Appl. No.: PCT/US96/15507  
Filed: September 27, 1996  
Publication No.: WO 97/13500  
Publication Date: April 17, 1997  
Priority Data: Oct. 12, 1995 (U.S. Appl. No. 08/542,083)

B46 Title: "Combination Therapy For The Treatment Of Diabetes And Obesity"  
Inventor: Smith, R.G.  
Appl. No.: PCT/US96/17444  
Filed: October 31, 1996  
Publication No.: WO 97/16189  
Publication Date: May 9, 1997  
Priority Data: Nov. 1, 1995 (U.S. Appl. No. 60/007,138)  
Feb. 22, 1996 (G.B. Appl. No. 9603724.7)

*D. Methods for Treatment/Other Documents:*

B38 Title: "Methods For Treating Anorexia"  
Inventor: Beasley, C.M. Jr.  
Appl. No.: PCT/US96/07467  
Filed: May 23, 1996  
Publication No.: WO 96/38152  
Publication Date: December 5, 1996  
Priority Data: June 1, 1995 (U.S. Appl. No. 08/457,249)

B45 Title: "Methods For Restoring Or Enhancing Reproductive Function In Reproductively Impaired Hosts"  
Inventor: Chehab, F.F.  
Appl. No.: PCT/US96/17163  
Filed: October 22, 1996  
Publication No.: WO 97/15322  
Publication Date: May 1, 1997  
Priority Data: Oct. 22, 1995 (U.S. Appl. No. 60/006,106)

B60 Title: "Methods For Using The Obese Gene And Its Gene Product To Stimulate Hematopoietic Development"  
Inventors: Snodgrass *et al.*  
Appl. No.: PCT/US97/00767  
Filed: January 21, 1997  
Publication No.: WO 97/27286  
Publication Date: July 31, 1997  
Priority Data: January 23, 1996 (U.S. Appl. No. 08/589,915)  
March 20, 1996 (U.S. Appl. No. 08/618,957)  
Sept. 13, 1996 (U.S. Appl. No. 08/713,296)

B73 Title: "Methods of Increasing Lean Tissue Mass Using OB Protein Compositions"  
Inventors: Pelleymounter *et al.*  
Appl. No.: PCT/US96/17718  
Filed: November 4, 1996  
Publication No.: WO 97/18833  
Publication Date: May 29, 1997  
Priority Data: Nov. 22, 1995 (U.S. Appl. No. 08/561,732)

## VI. OBESITY PROTEIN FORMULATIONS

### Documents:

B10 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al*  
Appl. No.: 97300299.1  
Filed: January 17, 1997  
Publication No.: EP 0 784 979 A2  
Publication Date: July 23, 1997  
Priority Data: February 7, 1996 (GB Appl. No. 9602408)  
January 19, 1996 (U.S. Appl. No. 10229)

B11 Title: Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: 97300300.7  
Filed: January 17, 1997  
Publication No.: EP 0 784 981 A2  
Publication Date: July 23, 1997  
Priority Data: February 7, 1996 (G.B. Appl. No. 9602410)  
January 19, 1996 (U.S. Appl. No. 10357)

B12 Title: Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: 97300302.3  
Filed: January 17, 1997  
Publication No.: EP 0 784 982 A2  
Publication Date: July 23, 1997  
Priority Data: February 7, 1996 (G.B. Appl. No. 9602409)  
January 19, 1996 (U.S. Appl. No. 10257)

B13 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: 97300301.5  
Filed: January 17, 1997  
Publication No.: EP 0 786 256 A2  
Publication Date: July 30, 1997  
Priority Data: January 19, 1996 (U.S. Appl. No. 10,244)  
February 7, 1996 (G.B. Appl. No. 9,602,406)

B14 Title: "Formulations of Obesity Protein"  
Inventors: Beals *et al.*  
Appl. No.: 97301995.3  
Filed: March 24, 1997  
Publication No.: EP 0 797 999 A2  
Publication Date: October 1, 1997  
Priority Data: March 26, 1996 (U.S. Appl. No. 14177)  
April 5, 1996 (U.S. Appl. No. 14951)

B54 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: PCT/US97/00864  
Filed: January 17, 1997  
Publication No.: WO 97/26004  
Publication Date: July 24, 1997  
Priority Data: January 19, 1996 (U.S. Appl. No. 60/010,229)  
February 7, 1996 (GB Appl. No. 9602408.8)

B55 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: PCT/US97/00568  
Filed: January 17, 1997  
Publication No.: WO 97/26011  
Publication Date: July 24, 1997  
Priority Data: Jan. 19, 1996 (U.S. Appl. No. 60/010,257)  
February 7, 1996 (G.B. Appl. No. 9602409.6)

B56 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: PCT/US97/00790  
Filed: January 17, 1997  
Publication No.: WO 97/26012  
Publication Date: July 24, 1997  
Priority Data: January 19, 1996 (U.S. Appl. No. 60/010,357)  
February 7, 1996 (G.B. Appl. No. 9602410.4)

B57 Title: "Obesity Protein Formulations"  
Inventors: Beals *et al.*  
Appl. No.: PCT/US97/00900  
Filed: January 17, 1997  
Publication No.: WO 97/26013  
Publication Date: July 24, 1997  
Priority Data: January 19, 1996 (U.S. Appl. No. 60/010,244)  
February 7, 1996 (GB Appl. No. 9602406.2)

B59 Title: "Obesity Protein Analog Compounds and Formulations Thereof"  
Inventors: Hoffman *et al.*  
Appl. No.: PCT/US97/01189  
Filed: January 24, 1997  
Publication No.: WO 97/26916  
Publication Date: July 31, 1997  
Priority Data: Jan. 25, 1996 (U.S. Appl. No. 60/011,055)

B61 Title: "Obesity Protein Compounds and Formulations Thereof"  
Inventor: Hoffman, J.A.  
Appl. No.: PCT/US97/01188  
Filed: January 24, 1997  
Publication No.: WO 97/28824  
Publication Date: August 14, 1997  
Priority Data: Feb. 6, 1996 (U.S. Appl. No. 60/011,238)

B63 Title: "Formulations Of OB Protein"  
Inventors: Beals *et al.*  
Appl. No.: PCT/US97/04914  
Filed: March 24, 1997  
Publication No.: WO 97/35620  
Publication Date: October 2, 1997  
Priority Data: March 26, 1996 (U.S. Appl. No. 60/014,177)  
April 5, 1996 (U.S. Appl. No. 60/014,951)

## VII. RECEPTORS

### A. OB Receptors

Documents:

A22 Title: "HU-B1.219, A Novel Human Hematopoietin Receptor"  
Inventors: Snodgrass *et al.*  
U.S. Patent No.: 5,643,748  
U.S. Appl. No.: 306,231  
Filed: September 14, 1994

B50 Title: "The OB Receptor And Methods Of Diagnosing And Treating Weight"  
Inventors: Tartaglia *et al.*  
Appl. No.: PCT/US96/19128  
Filed: November 27, 1996  
Publication No.: WO 97/19952  
Publication Date: June 5, 1997  
Priority Data: Nov. 27, 1995 (U.S. Appl. No. 08/562,663)  
Dec. 4, 1995 (U.S. Appl. No. 08/566,622)  
Dec. 8, 1995 (U.S. Appl. No. 08/569,485)  
Dec. 11, 1995 (U.S. Appl. No. 08/570,142)  
Dec. 28, 1995 (U.S. Appl. No. 08/583,153)  
Jan. 22, 1996 (U.S. Appl. No. 08/599,455)  
April 26, 1996 (U.S. Appl. No. 08/638,524)  
Sept. 3, 1996 (U.S. Appl. No. 08/708,123)

B58 Title: "Detection of a Leptin Receptor Variant And Methods For Regulating Obesity"  
Inventors: Snodgrass *et al.*  
Appl. No.: PCT/US97/00881  
Filed: January 17, 1997  
Publication No.: WO 97/26523  
Publication Date: July 24, 1997  
Priority Data: January 18, 1996 (U.S. Appl. No. 08/588,526)

B62 Title: "Rat OB Receptors And Nucleotides Encoding Them"  
Inventors: Hess *et al.*  
Appl. No.: PCT/US97/02397  
Filed: February 18, 1997  
Publication No.: WO 97/31015  
Publication Date: August 28, 1997  
Priority Data: Feb. 22, 1996 (U.S. Appl. No. 60/090,405)  
March 22, 1996 (U.S. Appl. No. 60/013,969)  
April 25, 1996 (GB Appl. No. 9608473.6)

B64 Title: "Leptin Assay"  
Inventors: Rosenblum *et al.*  
Appl. No.: PCT/US97/06505  
Filed: April 18, 1997  
Publication No.: WO 97/40380  
Publication Date: October 30, 1997  
Priority Data: April 22, 1996 (U.S. Appl. No. 60/061,051)  
June 6, 1996 (G.B. Appl. No. 9611785.8)  
Nov. 15, 1996 (U.S. Appl. No. 60/031,002)

B65 Title: "OB Protein Receptor Genes And Use Of The Same"  
Inventors: Iida *et al.*  
Appl. No.: (PCT)WOJP9701470 [97WO-J01470]  
Filed: April 24, 1997  
Publication No.: WO 97/41217 A1  
Publication Date: November 6, 1997  
Priority Data: April 30, 1996 (JP Appl. No. JP 96-134422)

B66 Title: "Detection Of The Leptin Receptor In Reproductive Organs And Methods For Regulating Reproductive Biology"  
Inventors: Snodgrass *et al.*  
Appl. No.: PCT/US97/07676  
Filed: April 28, 1997  
Publication No.: WO 97/41263  
Publication Date: November 6, 1997  
Priority Data: April 29, 1996 (U.S. Appl. No. 08/640,389)

B67 Title: "OB Receptor Isoforms And Nucleic Acids Encoding Them"  
Inventors: Caskey *et al.*  
Appl. No.: PCT/US97/07521  
Filed: May 2, 1997  
Publication No.: WO 97/42340  
Publication Date: November 13, 1997  
Priority Data: May 6, 1996 (U.S. Appl. No. 60/016,899)  
May 24, 1996 (G.B. Appl. No. 9610995.4)

B74 Title: "OB Protein Receptor And Related Compositions And Methods"  
Inventors: Chang *et al.*  
Appl. No.: PCT/US97/00128  
Filed: January 2, 1997  
Publication No.: WO 97/25424  
Publication Date: July 17, 1997  
Priority Data: Jan. 4, 1996 (U.S. Appl. No. 08/582,825)  
Dec. 31, 1996 (U.S. Appl. No. 08/774,414)

B75 Title: "OB, The Receptor For Leptin, Nucleic Acids Encoding The Receptor, And Uses Thereof"  
Inventors: Friedman *et al.*  
Appl. No.: PCT/US97/01010  
Filed: January 16, 1997  
Publication No.: WO 97/26335  
Publication Date: July 24, 1997  
Priority Data: Jan. 16, 1996 (U.S. Appl. No. 08/586,594)  
Feb. 14, 1996 (U.S. Appl. No. 08/599,974)

*B. Other*

Documents:

B53 Title: "WSX Receptor And Ligands"  
Inventors: Bennett *et al.*  
Appl. No.: PCT/US97/00325  
Filed: January 7, 1997  
Publication No.: WO 97/25425  
Publication Date: July 17, 1997  
Priority Data: January 8, 1996 (U.S. Appl. No. 08/585,005)  
June 20, 1996 (U.S. Appl. No. 08/667,197)

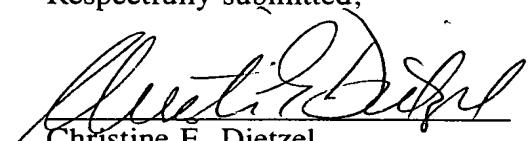
B70 Title: "A Novel Haemopoietin Receptor And Genetic Sequences Encoding Same"  
Inventors: Hilton *et al.*  
Appl. No.: PCT/AU96/00607  
Filed: September 26, 1996  
Publication No.: WO 97/12037  
Publication Date: April 3, 1997  
Priority Data: September 26, 1995 (AU Appl. No. PN 5641)

Documents B15, B16, and B65 are Japanese language patent or patent application documents and as such are being provided with English-language abstracts. Further, document B3 is the European counterpart to document B15, while document B4 is the European counterpart to document B16.

This statement and the accompanying items of information, including a Form PTO-1449, are being submitted after receipt of a first official action on the merits in the above-identified patent application under 37 C.F.R. §1.97(c). Enclosed is a check for the requisite \$240.00 fee under §1.17(p). If it is determined that any additional fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 11-1153.

Respectfully submitted,

By:

  
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Date: February 24, 1998